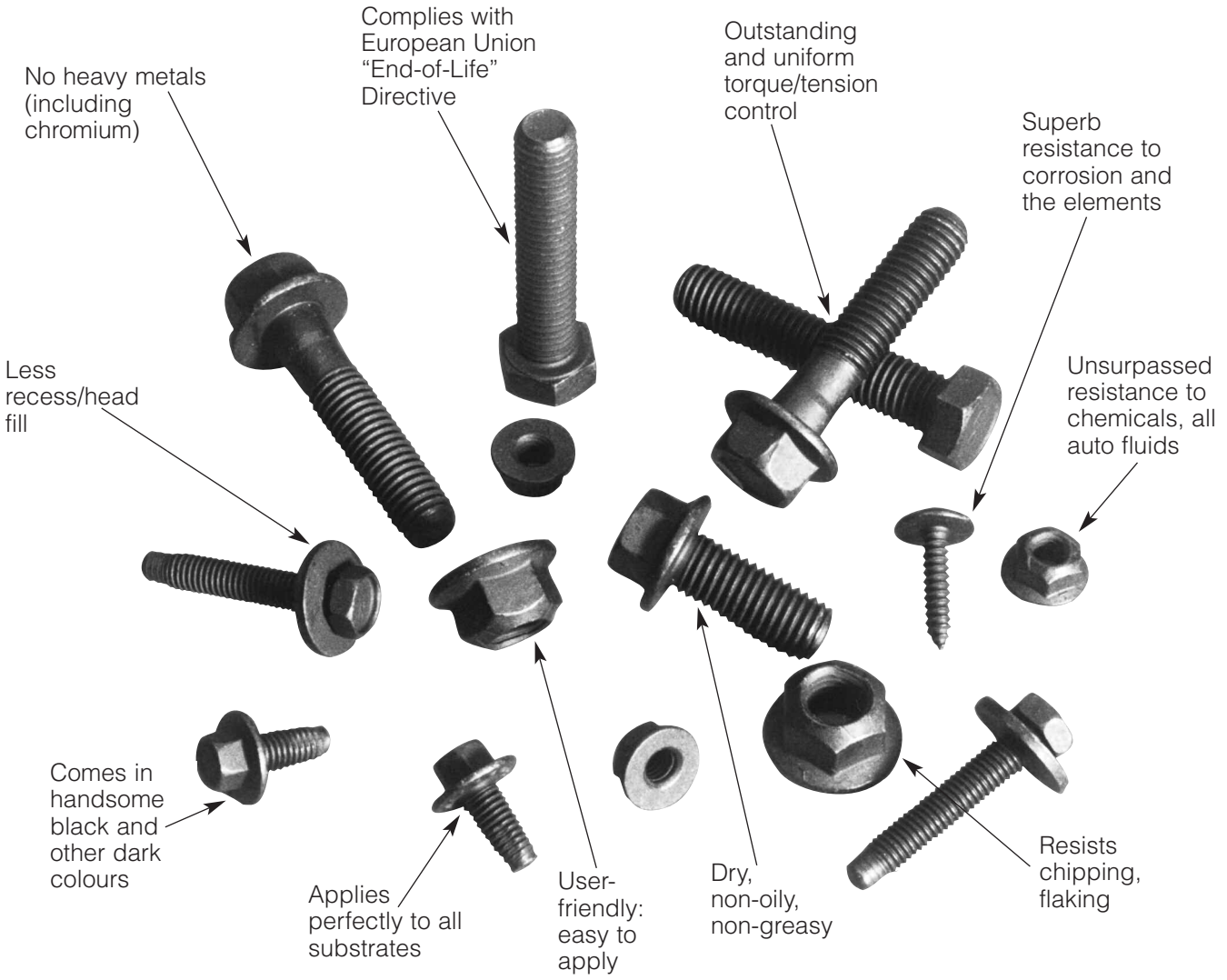
11 reasons why chromium-free Xylan® 5230 is specified by DaimlerChrysler, Ford and General Motors



No fastener-class coating offers all of the advantages of Whitford's new Xylan 5230, which is why Detroit's Big Three (Daimler-Chrysler, Ford and General Motors) have all specified it as an approved engineering material for their automotive fasteners.

Of course, Xylan 5230 meets the EU's "End-of-Life" Vehicle Directive (2000/53/EC).

Whitford also offers many other dip/spin coatings with a wide range of colours (including translucent and waterborne options).

For a detailed description of Whitford's new Xylan 5230, see the reverse side. Or contact Whitford Plastics Ltd., Christleton Court, Manor Park, Runcorn, Cheshire WA7 1ST, United Kingdom. Tel: +44 (0) 1928 571000. Fax: +44 (0) 1928 571010. Email: sales@whitfordww.co.uk. Visit us on the web: www.whitfordww.com.

Whitford Worldwide

Makers of the world's largest, most complete line of fluoropolymer coatings

XYLAN® 5230 BLACK
Chrome-Free Fastener-Class Coating

General Description

Xylan 5230 Black is a "chrome-free" fastener coating material developed for the worldwide automotive market. It is a resin-bonded, thermally-cured fluoropolymer coating. Xylan 5230 is formulated for application to fasteners by dip/spin or hand-spray method. Its primary function is to facilitate uniform driving torque while providing corrosion resistance.

Substrate Information

Xylan 5230 can be applied to many types of substrate materials such as aluminium, brass, high-alloy steel, carbon steel, stainless steel, titanium, zinc plating and zinc phosphate.

Corrosion Resistance

Xylan 5230 applied in two coats (0.15 µ) over zinc-phosphated carbon steel exceeds 336 hours in ASTM B117. With three coats, it is not uncommon for testing to run 600+ hours.

Physical Properties

Pencil hardness:	2 - 4 H
Dielectric strength:	20 V/micron
VOCs/series avg.:	535gms/l (4.47lbs/g)
Gloss:	low
UV resistance:	fair

Use Temperature

Xylan 5230 can be used continuously from -57°C-/70°F to +175°C/+350°F and can survive up to +218°C/+425°F intermittently.

Chemical Resistance

Xylan 5230 is resistant to most automotive fuels, lubricants and fluids. It has excellent resistance to acids and alkalines.

Applicable Specifications

Xylan 5230 is an approved coating material for the following specifications:

- Daimler/Chrysler Corporation: PS-7001
- Ford Motor Company:
  WSD M21 P10 B2 (S303);
  WSD M21 P10 B3 (S306)
- General Motors: 6046M

Application Instructions

Please refer to the Whitford Product Data Sheet for application information or contact your Whitford representative for more information.

Performance Characteristics

- Meets SAE/USCAR 1 (336+ hours)
- Self-lubricating
- WZ100 "K" factor: .17 +/- .02 @ 28.3 kN
- Thickness: 16-20 microns
- Dry-to-touch
- Chemical-resistant
- Low risk for hydrogen embrittlement

Advantages

- Integral friction modification
- Plastic-compatible
- Cr^{+6} free
- Compatible with thread adhesives and sealants
- Globally accepted
- Controlled applicator base

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